

Material: ONORM GX2NiCrMo28-20-2

Standard Specification for Steel Castings for Pressure Purposes

Group: Ferrous Stainless Steel Alloys

Sub Group: ONORM GX2NiCrMo28-20-2 Steel Castings for Pressure Purposes

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.030 max.	Normalizing or Quenching or Solution Annealing	
Silicon	Si %	1.000 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.025 max.		
Chromium	Cr %	19.000 - 22.000		
Molybdenum	Mo %	2.000 - 2.500		
Nickel	Ni %	26.000 - 30.000		
Copper	Cu %	2.000 max.		
Nitrogen	N %	0.200 max.		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	430 - 630
-	-	-	Yield Strength in Mpa	190 min.
-	-	-	Elongation in %	30 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	60 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
GX2NiCrMo28-20-2	BS	British	Plate, Tubes and Forging
GX2NiCrMo28-20-2	ISO	International	Casting
1.4458	ISO	International	Casting
1.4458	ONORM	Australia	Casting
GX2NiCrMo28-20-2	BDS	Bulgaria	Casting
1.4458	BDS	Bulgaria	Casting
1.4458	NBN	Belgium	Casting

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Customer Care: +91-99090 45075 Email: info@icastllp.com